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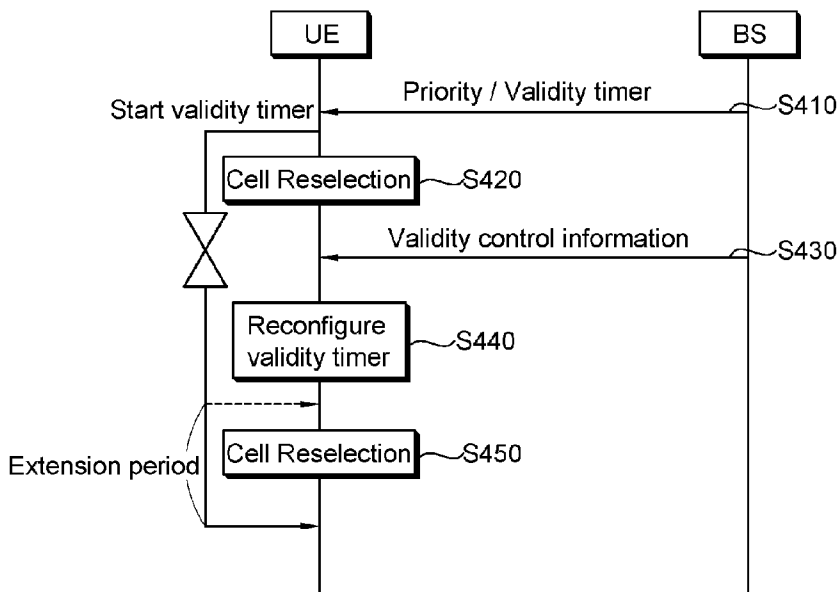
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
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(54) Title: METHOD OF PERFORMING CELL RESELECTION IN WIRELESS COMMUNICATION SYSTEM

[Fig. 9]



(57) Abstract: A method of performing cell reselection includes receiving priority for a different frequency or RAT (Radio Access Technology) and information on a validity timer for the priority, starting the validity timer, performing cell reselection based on the priority while the validity timer is running, receiving reconfiguration information of the validity timer, and reconfiguring the validity timer based on the reconfiguration information.

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According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Utility Models and applications for Utility Models since 1975  
Japanese Utility Models and applications for Utility Models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKIPASS(KIPO internal), IEEEExplore, "reselection", "priority", "cell"

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005/0143082 A1 (Yang) 30 Jun. 2005 See the Abstract; Figs. 4-7; paragraphs [0002] - [0016]; Claims 1-41.	1-12
X	KR 2006-0046937 A (LG ELECTRONICS INC.) 18 May 2006 See the Abstract; Figs. 1-3; Claims 1-3.	1-12
A	US 2006/0084443 A1 (Yeo et al.) 20 Apr. 2006 See the Abstract; Figs. 3-4; paragraphs [0012] - [0040]; Claims 1-26.	1-12
A	US 2005/0090278 A1 (Jeong et al.) 28 Apr. 2005 See the Abstract; Figs. 5-9; paragraphs [0033] - [0046]; Claims 1-17.	1-12

 Further documents are listed in the continuation of Box C. See patent family annex.

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

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**PCT/KR2008/005835**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2005/0143082 A1	30.06.2005	CN 1610423 A EP 1524871 A2 EP 1524871 A3 JP 2005-124213 A KR 2005-0037216 A	27.04.2005 20.04.2005 05.09.2007 12.05.2005 21.04.2005
KR 2006-0046937 A	18.05.2006	None	
US 2006/0084443 A1	20.04.2006	AU 2005-297120 A1 CN 101044783 A EP 1803318 A1 KR 2007-0067229 A US 7483702 B2 WO 2006-043131 A1	27.04.2006 26.09.2007 04.07.2007 27.06.2007 27.01.2009 27.04.2006
US 2005/0090278 A1	28.04.2005	AU 2004-302422 A1 AU 2004-302422 B2 PI 0413816 A CA 2534277 A1 CN 1836387 A EP 1509056 A2 EP 1509056 A3 JP 2007-502573 T KR 2005-0020720 A US 7437178 B2 WO 2005-020474 A1	03.03.2005 03.03.2005 17.10.2006 03.03.2005 20.09.2006 23.02.2005 15.03.2006 08.02.2007 04.03.2005 14.10.2008 03.03.2005